## WHAT IS CLAIMED IS:

- 1. A multilayer electroluminescent device comprising a cathode, an anode, a light emitting layer (LEL) and a layer disposed between the cathode and anode containing a dihydrophenazine compound.
- 2. A multilayer electroluminescent device comprising a cathode, an anode, a light emitting layer (LEL) and a layer disposed between the cathode and anode containing a dihydrophenazine compound represented by:

wherein:

 $R_1$  is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, or connected to  $R_2$  to form 5 or 6 member rings which may be substituted or unsubstituted;

R<sub>4</sub> is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, or connected to R<sub>3</sub> to form 5 or 6 member rings which may be substituted or unsubstituted;

 $R_5$  is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl, substituted alkenyl, alkoxy, aryloxy, amino, or connected to  $R_6$  to form 5 or 6 member rings which may be substituted or unsubstituted;

R<sub>8</sub> is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl,

alkoxy, aryloxy, amino, or connected to R<sub>7</sub> to form 5 or 6 member rings which may be substituted or unsubstituted;

R<sub>2</sub> and R<sub>3</sub> are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, halogen, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, thioaryl, thioalkyl, or connected to form 5 or 6 member rings which may be substituted or unsubstituted;

R<sub>6</sub> and R<sub>7</sub> are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, halogen, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, thioaryl, thioalkyl, or connected to form 5 or 6 member rings which may be substituted or unsubstituted; and

 $R_9$  and  $R_{10}$  are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl.

3. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:

4. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:

5. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:

6. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:

7. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:

8. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:

9. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:

10. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:

- 11. The multilayer electroluminescent device of claim 1 wherein the dihydrophenazine compound is contained in a layer that is adjacent to the anode.
- 12. The multilayer electroluminescent device of claim 1 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the anode.
- 13. The multilayer electroluminescent device of claim 1 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the light emitting layer.
- 14. The multilayer electroluminescent device of claim 1 wherein the dihydrophenzaine derivative functions to improve hole-transporting and there is present in a layer between the anode and the light emitting layer a second compound that functions to improve hole transporting.
- 15. The multilayer electroluminescent device of claim 14 wherein the second compound is represented by:

wherein  $Q_1$  and  $Q_2$  are independently selected aromatic tertiary amine moieties and G is a linking group or a bond.

- 16. The multilayer electroluminescent device of claim 14 wherein the second compound is contained in the layer adjacent to the light emitting layer.
- 17. The multilayer electroluminescent device of claim 15 wherein the second compound is N,N'-di(1-naphthyl)-N,N'-diphenyl-4,4'-diaminobiphenyl or N,N'-di-1-naphthalenyl-N,N'-di-2-naphthalenyl-[1,1'-Biphenyl]-4,4'-diamine.
- 18. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is contained in a layer that is adjacent to the anode.
- 19. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the anode.
- 20. The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the light emitting layer.
- 21. The multilayer electroluminescent device of claim 2 wherein the dihydrophenzaine derivative functions to improve hole-transporting and there is present in a layer between the anode and light emitting layer a second compound that functions to improve hole transporting.
- 22. The multilayer electroluminescent device of claim 21 wherein the second compound is represented by:

$$Q_1 \sim_{G} Q_2$$

wherein  $Q_1$  and  $Q_2$  are independently selected aromatic tertiary amine moieties and G is a linking group or a bond.

- 23. The multilayer electroluminescent device of claim 21 wherein the second compound is contained in the layer adjacent to the light emitting layer.
- 24. The multilayer electroluminescent device of claim 21 wherein the second compound is N,N'-di(1-naphthyl)-N,N'-diphenyl-4,4'-diaminobiphenyl or N,N'-di-1-naphthalenyl-N,N'-di-2-naphthalenyl-[1,1'-Biphenyl]-4,4'-diamine.